

ABSTRACT OF THE DISCLOSURE:

A high frequency oscillator which obtains an oscillation output by combining the outputs of two oscillators has a substrate, first and second amplifiers for oscillation so disposed that their output ends be opposite each other, first and second signal lines each configuring a closed oscillation loop by connecting the input ends and the output ends of the first and second amplifiers, respectively, these being disposed on a first principal surface of the substrate, and a grounding conductor disposed on a second principal surface of the substrate and configuring a strip line together with each of the signal lines. An opening, where the grounding conductor is removed, is bored in the second principal surface and a coplanar line structure is configured by arranging the first and second signal lines close to each other in the area of the opening.